1847MNRAS...7..303.

By M. d'Arrest.

Epoch, August 13, at 12h M.T. at Berlin.

M	297° 56′ 17″·89	
π	38 49 56·94	M. Eq. 1847·0.
☊	258 52 25·39	M. Eq. 1847·0.
i	5 22 16·58	
φ	14 28 44·64	
μ	942″·37500	
Log a	0·3838552	

Observations of HEBE.

The discovery of a new planet by M. Henke, of Driessen, was announced in the last Number of the *Monthly Notices*. It has since been named *HEBE*, following, as we believe, the nomination of the illustrious Gauss, to whom the office was delegated by M. Henke.

BERLIN. (Professor Encke.)

	Berlin M.T.	R.A.	Dec.	
	h m s	° ′ ″	° ′ ″	
July 5	10 12 7·1	256 51 35·4	−4 8 29·2	
	14 27·8	34·1	8 27·8	Mer. Obs.
10	9 51 5·2	255 55 38·4	4 40 14·6	Mer. Obs.
	10 14 13·9	17·9	25·0	
12	10 41 39·2	255 35 3·0	−4 54 20·8	

ALTONA. (Dr. Petersen.)

	Altona M. T.	R.A.	Dec.
	h m s	° ′ ″	° ′ ″
July 15	9 28 14·2	255 8 8·6	−5 15 47·1

HAMBURG. (M. Rümker.)

	Hamburg M. T.	R. A.	Dec.	
	h m s	° ′ ″	° ′ ″	
July 6	12 25 54·0	256 38 20·4	−4 15 31·3	
7	10 46 13·3	27 51·2	20 55·9	
9	13 22 1·2	256 4 24·5	34 38·0	
12	9 41 50·5	255 35 27·1	4 54 6·6	Mer. Cir.
14	32 44·7	16 51·9	5 8 26·9	...
15	9 28 13·7	255 8 6·0	15 49·5	..
16	10 18 6·4	254 59 26·7	23 32·0	Microm.
18	9 14 50·9	44 19·8	38 29·1	Mer. Cir.
	10 37 12·0	43 53·7	38 56·9	
20	10 17 19·9	30 11·9	5 54 40·3	
21	9 51 50·6	24 3·3	6 2 27·5	
25	10 6 27·1	254 3 3·6	35 36·5	8 obs.
27	27 13·6	253 55 3·3	6 52 35·0	7
29	37 15·5	48 59·3	7 9 58·7	8
30	10 34 2·5	253 46 35·1	−7 18 41·3	7

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		Hamburg M.T.	R.A.	Dec.	
		h m s	° ′ ″	° ′ ″	
Aug.	1	9 59 55·7	253 43 10·8	−7 35 56·5	7 obs.
	2	36 20·7	42 3·0	7 44 39·9	9
	4	9 50 32·3	41 8·6	8 2 34·1	9
	6	10 6 53·3	41 56·5	18 4·4	1
	9	9 32 25·3	46 28·5	47 36·9	10
	10	11 33 20·9	49 11·6	8 57 41·7	6
	12	9 55 22·6	55 0·8	9 15 25·0	12
	13	53 26·5	253 58 46·4	24 22·2	9
	14	17 22·0	254 2 45·2	33 19·5	10
	15	58 9·7	7 27·2	42 38·3	5
	16	14 30·0	12 20·0	9 51 38·8	11
	17	1 26·4	17 32·1	10 0 42·4	5
	18	25 10·0	23 26·2	10 7·8	9
	19	9 56 31·3	254 29 46·5	10 18 50·8	1
	27	8 51 53·5	255 33 32·8	11 31 40·6	6
	30	9 25 32·0	256 4 8·4	11 58 25·4	2
Sept.	13	8 32 27·3	259 7 54·1	13 58 17·9	
	14	7 49 5·0	23 5·0	14 6 9·7	
	15	7 43 24·2	259 39 1·4	−14 14 19·0	

CAMBRIDGE. Northumberland Equatoreal. (Prof. Challis.)

		R.A.		N.P.D.		
	Greenwich M.T.	Plan.—Star.	Planet.	Planet—Star.	Planet.	No. of Comp.
1847.	h m s	m s	h m s	′ ″	° ′ ″	
July 29	11 17 9·8	−1 2·29	16 55 15·26	−18 44·1	97 10 18·6	6
30	11 2 20·4	−1 11·82	55 5·72	−10 5·0	97 18 57·7	6
Aug. 8	9 38 23·7	+1 19·37	54 58·21	− 3 51·8	98 38 52·9	6
9	10 31 57·3	+0 10·78	55 6·55	+ 0 55·0	98 48 23·3	4
13	33 36·9	−2 48·57	55 55·37	− 9 53·2	99 24 52·3	3
19	10 58 31·5	−6 35·47	58 0·51	− 9 35·6	100 20 1·0	1
19	11 14 14·0	−3 22·52	58 1·22	+ 1 9·8	20 7·7	3
20	8 51 26·0	−2 58·52	16 58 25·21	+ 9 30·4	100 28 28·3	1
26	55 52·7	−2 15·39	17 1 37·36	− 2 8·5	101 22 45·6	2
27	8 57 17·0	−0 5·96	2 15·41	− 1 12·0	101 31 49·9	5
31	9 52 38·5	+2 49·76	5 1·85	−22 13·9	102 7 42·0	6
Sept. 1	10 12 30·1	+3 35·49	17 5 47·56	−13 12·1	102 16 43·8	4

"The above observations are corrected for refraction, but not for parallax. By calculation from the elements of MM. Galle and D'Arrest, I find the observed R.A. on Sept. 1 to be less than the calculated R.A. by 6s·8, and the observed N.P.D. to be greater than the calculated N.P.D. by 2′·3. All the places of the stars of comparison were derived from Bessel's Zones, as reduced by M. Weisse, with the exception of that of August 9, which was inferred from Bessel's place of the star of August 8, by comparisons made with the Northumberland equatoreal."

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